(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 27.08.1997 Bulletin 1997/35

(51) Int Cl.6: A61M 1/36

- (43) Date of publication A2: 07.05.1997 Bulletin 1997/19
- (21) Application number: 96307822.5
- (22) Date of filing: 29.10.1996
- (84) Designated Contracting States: **DE FR GB IT**
- (30) Priority: 31.10.1995 US 551150
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- (54) Blood-processing machine
- (57) A multiprotocol blood-processing machine and disposable units for use therewith. The disposable units generally comprise a centrifuge bowl for separating whole blood into blood constituents, an inlet tube for conveying blood into the bowl, an outlet tube for conveying the blood constituents away from the bowl, and a manifold for placing the inlet tube and the outlet tube in fluid communication with a tube from a donor. The manifold has a machine-readable bar-code label for identifying to the blood processing machine which type

of disposable unit is being coupled to it. The machine itself comprises a central processing unit that controls overall operation, a first computer memory containing safety-monitoring instructions that cause the central processing unit to monitor various state parameters in order to ensure donor safety, and a second computer memory containing instructions that define at least one apheresis or blood-processing protocol. In some implementations, the second computer memory is removable from and insertable into the blood processing machine by an operator.



EUROPEAN SEARCH REPORT

Application Number EP 96 30 7822

| alegory | Citation of document with in of relevant pas | | | levant claim | CLASSIFICATION APPLICATION | |
|---------|---|--|--|---------------------------|---|--|
| | WO 80 02376 A (E LIC | CHTENSTEIN) | 3-5 17- | .15, 19 | A61M1/36 | |
| | * page 29, line 19 * page 33, line 25 * page 44, line 7 - * page 52, line 26 * page 52, line 6 - * page 52, line 26 * page 55, line 20 * figures * | - line 37 * line 29 * ' line 19 * - page 53, line 6 * | | | · | |
| (| * column 4, line 27 | - line 5 * - column 4. line 10 * | 1 | 3 | | |
| (| EP 0 623 357 A (ALTHIN CD MEDICAL, INC.) * page 9, line 48 - page 10, line 51 * * figure 7 * | | 6-8 | 3 | TECHNICAL PIELDS SEARCHED (Int.Cl.6) | |
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| | The present search report has b | een drawa up for all claims | | | | |
| | Place of search | Date of completion of the search | ٠ـــــــــــــــــــــــــــــــــــــ | | Recombace | |
| | THE HAGUE | 17 June 1997 | | Vei | reecke, A | |
| | CATEGORY OF CITED DOCUME | NTS T: theory or pris | iciple uni | lertying th | e invention | |
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| CLAIMS INCURRING FEES | |
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| The present European patent application comprised at the time of filing more than ten claims. | |
| All claims less have been paid within the prescribed time limit. The present European search report has been drawn up for all claims. | |
| Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, | |
| namely claims: | |
| No claims tees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims. | |
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| LACK OF UNITY OF INVENTION | |
| The Search Division considers that the present European patent application does not comply with the requirement of unity of | |
| Invention and relates to several inventions or groups of inventions, namely: | |
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| All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims. | |
| Only part of the further search fees have been paid within the fixed time fimit. The present European search | |
| report has been drawn up for those parts of the European patent application which relate to the Inventions in respects of which search fees have been paid, | |
| namely claims: | |
| None of the further search less has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims. | |
| namely claims. | |



EUROPEAN SEARCH REPORT

Application Number EP 96 30 7822

| ategory | Citation of document with in of relevant pa | | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.CL6) |
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| 1 | US 5 460 490 A (R C * column 6, line 52 * column 10, line 2 * column 10, line 6 | ARR) - column 7, line 7 * 7 - line 43 * 4 - column 11, line 2 | 0 | |
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| Y:pu | CATEGORY OF CITED DOCUME reionizely relevant if taken alone reionizely relevant if combined with an current of the same category chanlogical background | NTS T: theory or p. E: earlier pate after the fi | rinciple underlying the not document, but yulling date sited in the application to do not be reasons | e invention |



EP 96 30 7822 - B -

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions, or groups of inventions, namely:

. Claims 1-5,15-19

A disposable having an indication readable by a blood

processing machine and methods therefor.

2. Claims 6-14

A blood processing machine with two computer memories

which are computationally distinct from each other.

EPO Form Supplementary Sheet B (1996)